1 - Ores (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

1 - Ores (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

1(1)- Ores (powder form)

SRM	25d	79a	180	182	183	277	330a	331a	423
Description	Manganese Ore	Fluorspar	Fluorspar, High Grade	Lithium Ore (Petalite)	Lithium Ore (Lepidolite)	Tungsten Concentrate	Copper Ore Mill Heads	Copper Ore Mill Tails	Molybdenum Oxide Concentrate (Powder Form)
Unit Size	(60 g)	(120 g)	(120 g)	(45 g)	(45 g)	(1 bottle x 100 g)	(1 bottle x 90 g)	(40 g)	(1 pouch x 50 g)
(Concentrations are in mass fractions, in %, unless noted by an asterik for mg/kg.)									
Aluminum (Al)							7.053	*7.92*	
Aluminum oxide (Al_2O_3)	*5.33*								
Antimony (Sb)						(<0.01)			(0.0024)
Arsenic (As)						*0.0120*			
Barium (Ba)							0.156	259*	
Barium oxide (BaO)	(0.21)								
Bismuth (Bi)						(0.05)			(0.006)
Cadmium (Cd)							*3.391**	(0.1)	
Calcium (Ca)						*0.38*	0.323	*1.552*	
Calcium fluoride (CaF_2)		97.39	98.80						
Calcium oxide (CaO)	(0.052)								
Carbon (C)								*565**	(0.025)
Cerium (Ce)							*22.32**	*9.6**	
Chromium (Cr)							*77.0**	13.9*	(0.0034)
Cobalt (Co)							*4.542**	12.6*	
(Concentrations are in mass fractions, in %, unless noted by an asterik for mg/kg.)									
Copper (Cu)						(0.014)	0.845	789*	0.0640
Gallium (Ga)							*17.4**	*16.3**	

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

1 - Ores (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Gold (Au)						*0.121**	
Iron (Fe)				*7.47*	*1.06*	*4.207*	*1.708*
Iron oxide (Fe_2O_3)	*3.91*						
Lead (Pb)				*0.0676*	(27*)	(6)	*0.0433*
Lithium (Li)					*22.19**	(3*)	
Lithium oxide (Li_2O)		4.34	4.12				
Magnesium (Mg)					0.868	*1.623*	(0.10)
Manganese (Mn)	51.78			*10.2*		497*	(0.009)
Mercury (Hg)						0.00184*	
Moisture	(1)						
Molybdenum (Mo)				*0.0598*	(4.5*)	*3.2**	58.61
Nickel (Ni)					*28.95**	*8.1**	
Niobium (Nb)				*1.018*	(5.7*)		
Oxygen, available (O_2)	*14.283*			*22.0*			

(Concentrations are in mass fractions, in %, unless noted by an asterik for mg/kg.)

Phosphorus (P)				*0.034*	(326*)	(550)	
Phosphorus pentoxide (P_2O_5)	0.251						
Potassium (K)					5.47	*0.967*	
Potassium oxide (K_2O)	*0.928*						
Rhenium (Re)							(0.004)
Scandium (Sc)					*5.693**	*11.4**	
Silicon (Si)				*0.842*	*33.4*		
Silicon dioxide (SiO_2)	2.54						
Silver (Ag)							(0.0029)
Sodium (Na)					0.657	*3.15*	(0.2)

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

1 - Ores (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Strontium (Sr)			*218.1**		
Sulfur (S)		*0.2668*		*870**	(0.063)
Tantalum (Ta)		(0.14)			
Thorium (Th)			(7.6*)		
Tin (Sn)		*0.53*			
Titanium (Ti)		*2.20*	(1223*)	*0.228*	

(Concentrations are in mass fractions, in %, unless noted by an asterik for mg/kg.)

Titanium dioxide (TiO_2)	*0.136*				
Tungsten trioxide (WO_3)		67.50			
Vanadium (V)			(43*)	*121**	(0.0023)
Yttrium (Y)			*20.01**		
Zinc (Zn)			*94.9**	71.8*	(0.017)
Zirconium (Zr)		(<0.8)	*80.5**		

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only